

FIG. 1

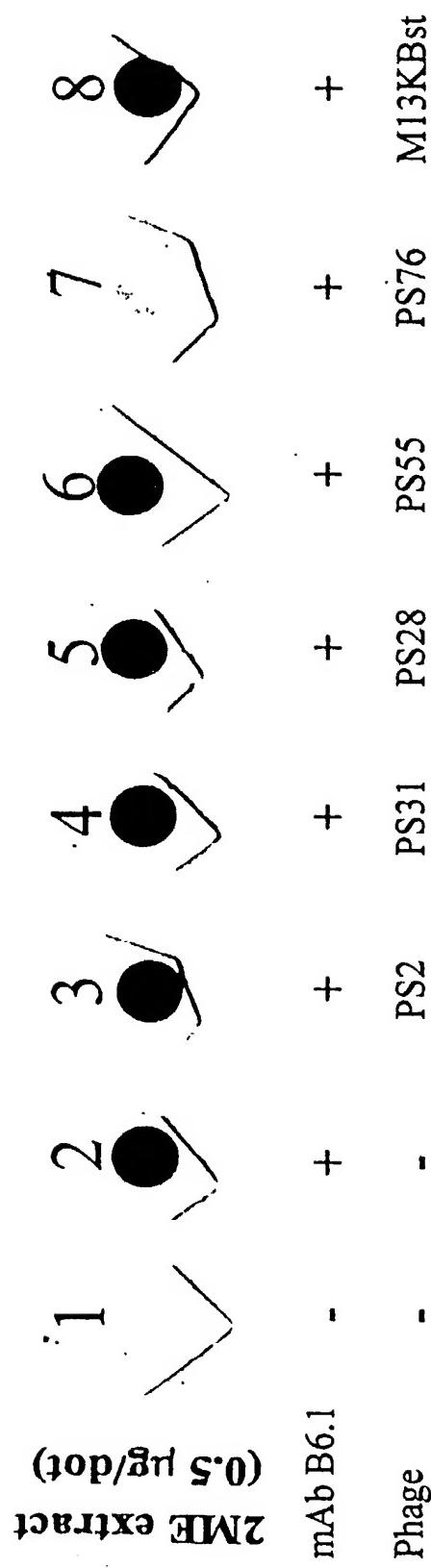


FIG. 2

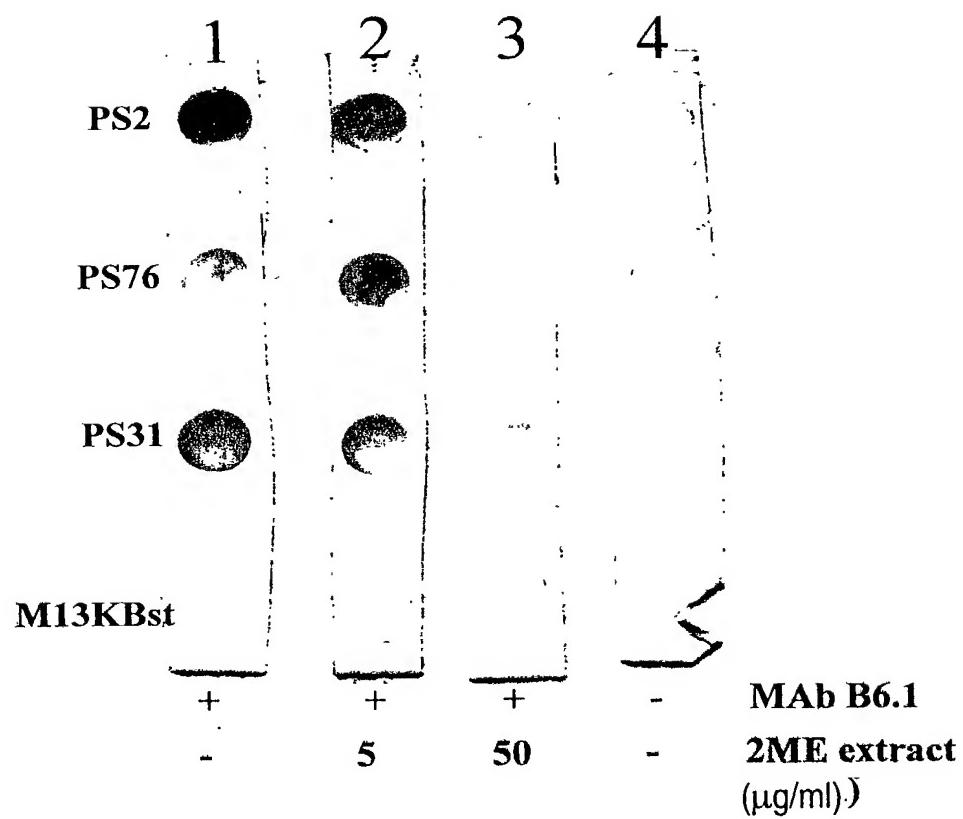
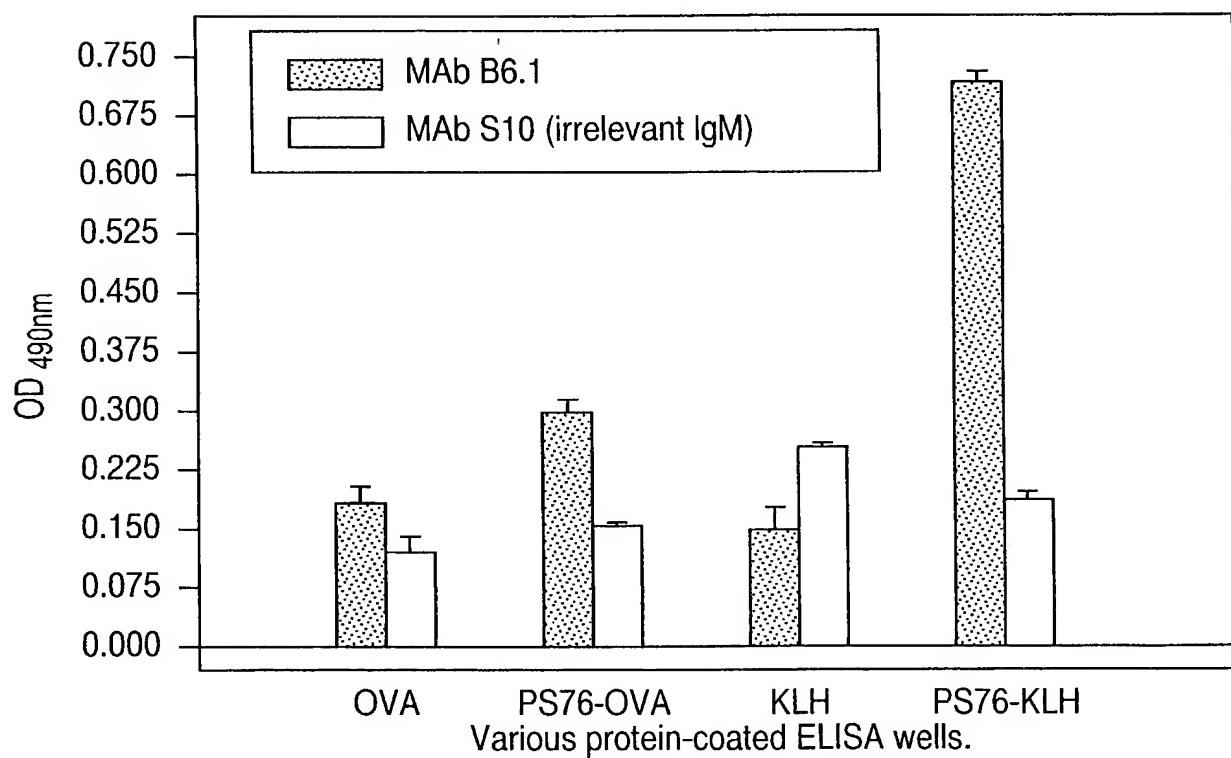
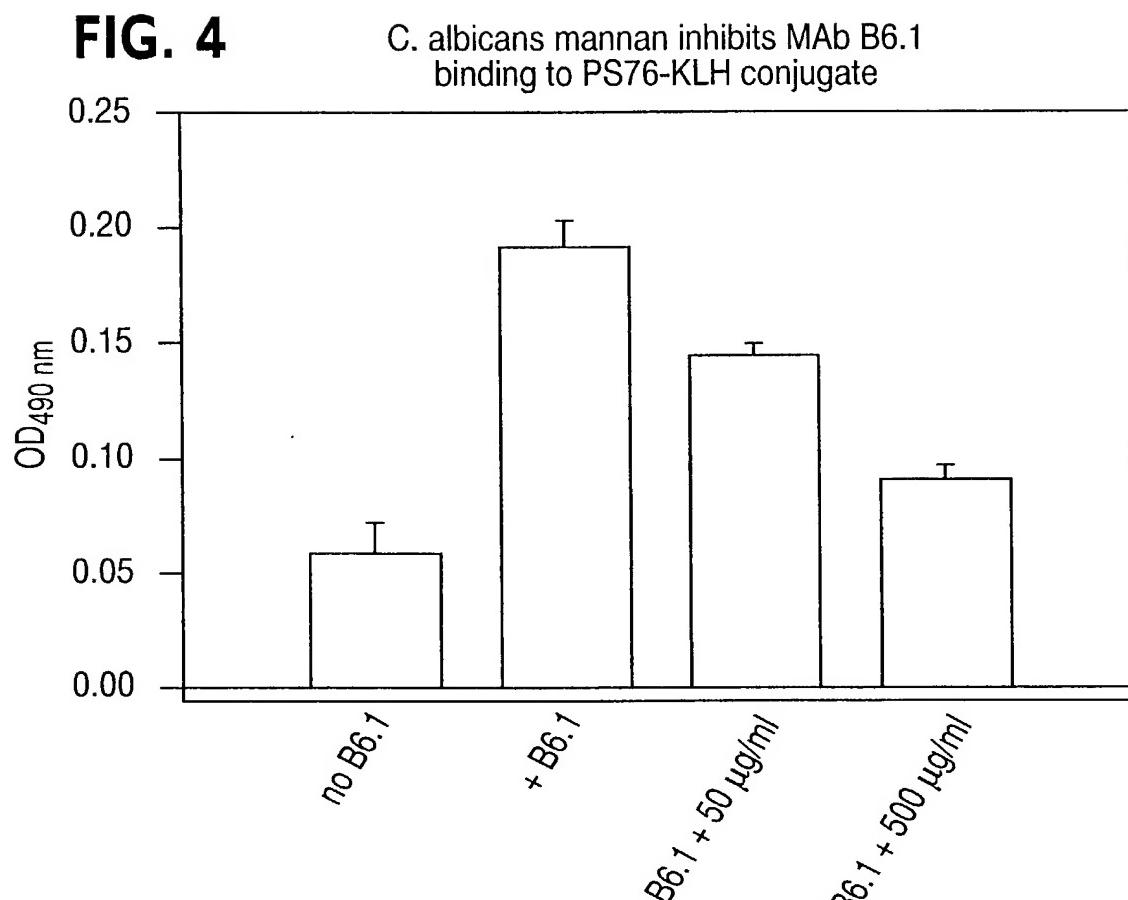


FIG. 3

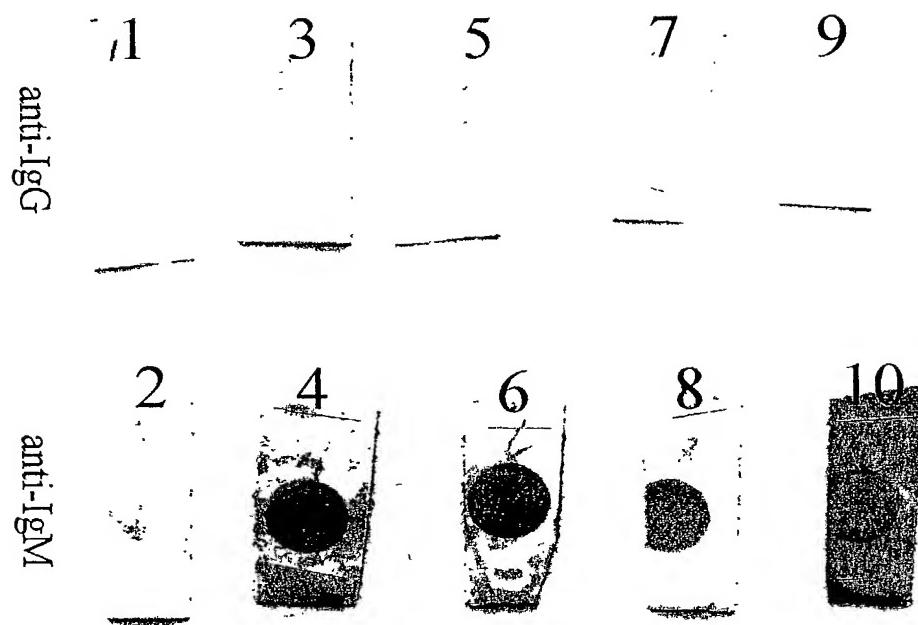
Reactivity of MAb B6.1 against
PS76-carrier protein conjugates





PS76-KLH coated ELISA wells incubated with
or without antibody plus 2 ME extract

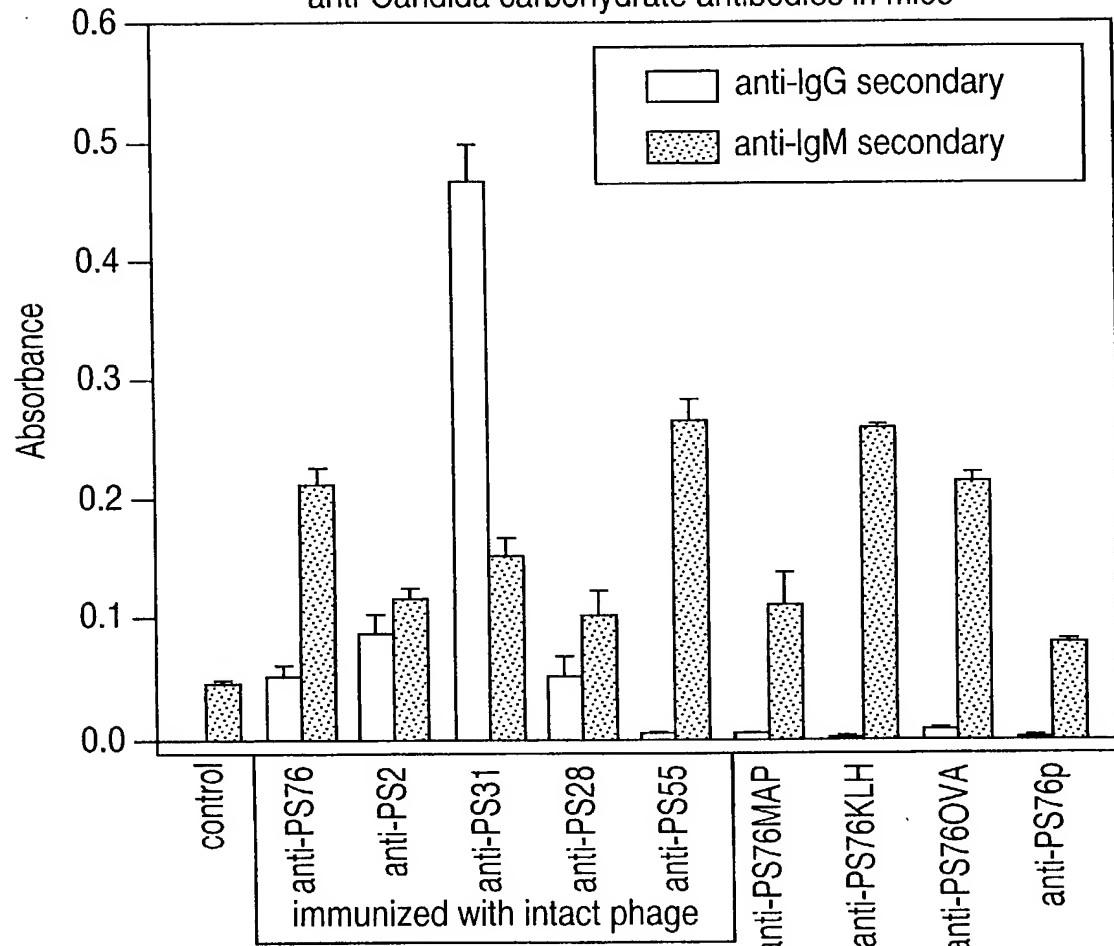
FIG. 5



Dots 1, 2 - normal mouse serum; Dots 3-10 - serum from peptide-immunized mice; Odd dots - IgG detection; Even - IgM detection

FIG. 6

Immunization with peptide mimotopes induces anti-Candida carbohydrate antibodies in mice



$$\text{Absorbance} = \text{OD}_{490\text{nm}} (\text{Ab} + 2\text{ME extract}) - \text{OD}_{490\text{nm}} (\text{Ab} + \text{irrelevant CHO})$$

Microtiter plate wells were coated with 2ME extract or an irrelevant carbohydrate. Mice were immunized with synthetic peptide, branched synthetic peptide, peptide carrier protein conjugates, or phage-displayed peptide mimotopes.

FIG. 7 Gene 3 protein of phage clone PS76

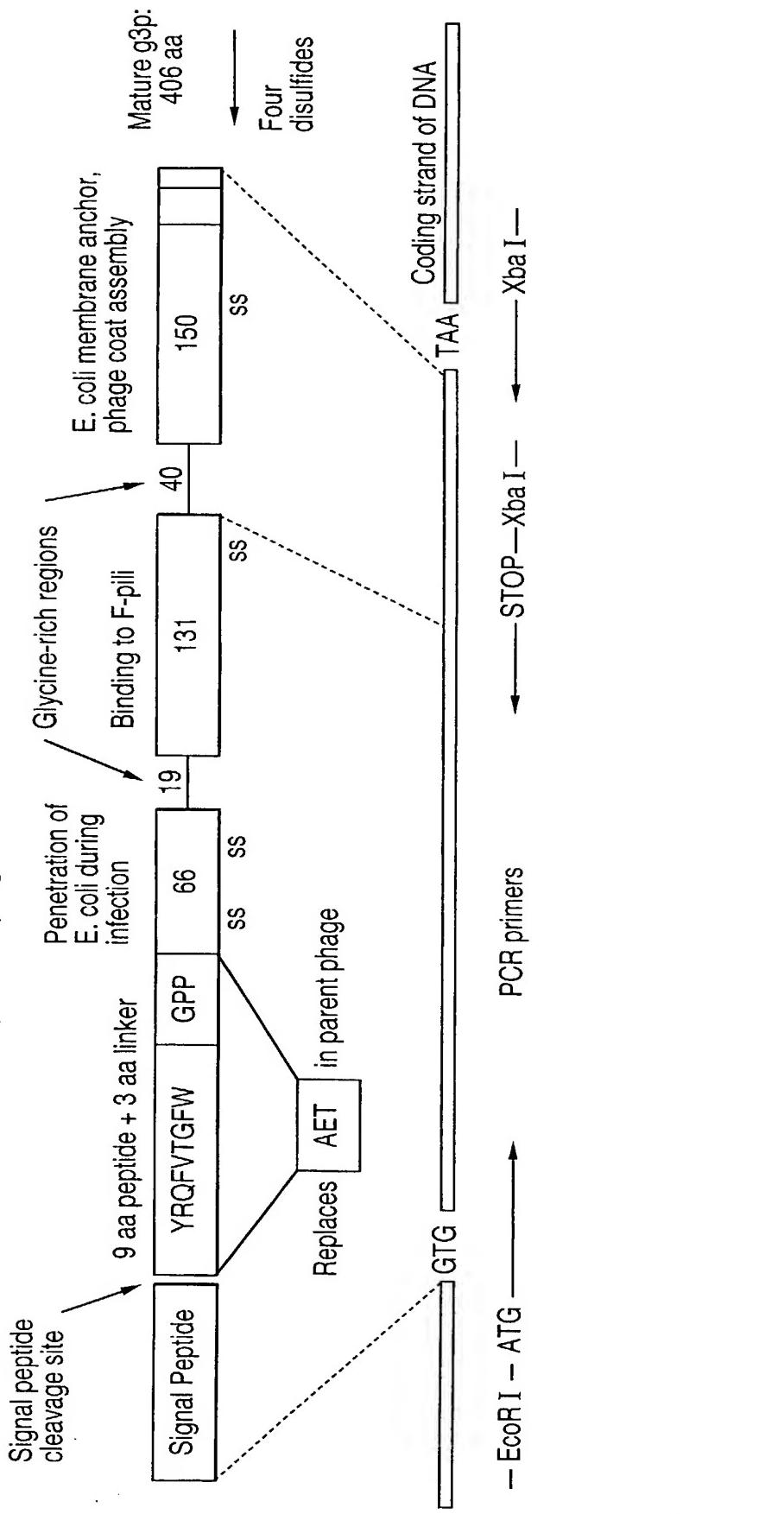


FIG. 8A

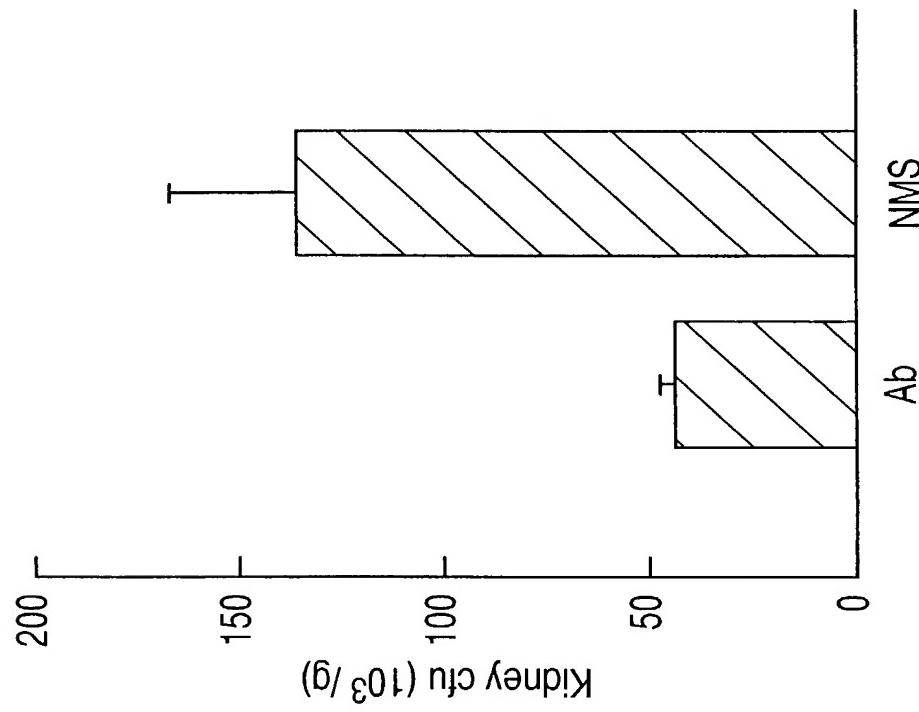


FIG. 8B

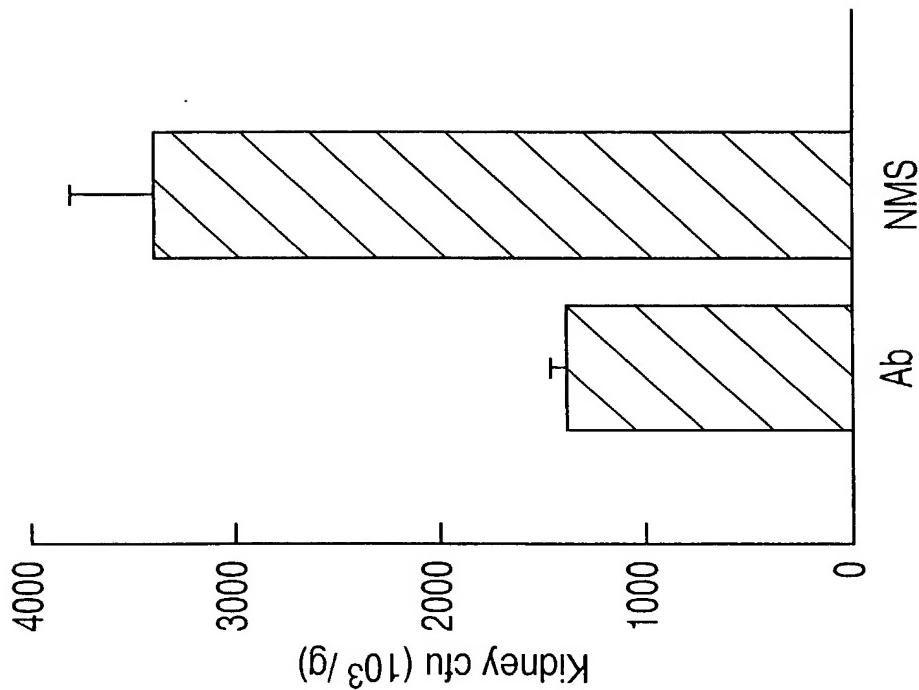


FIG. 9A

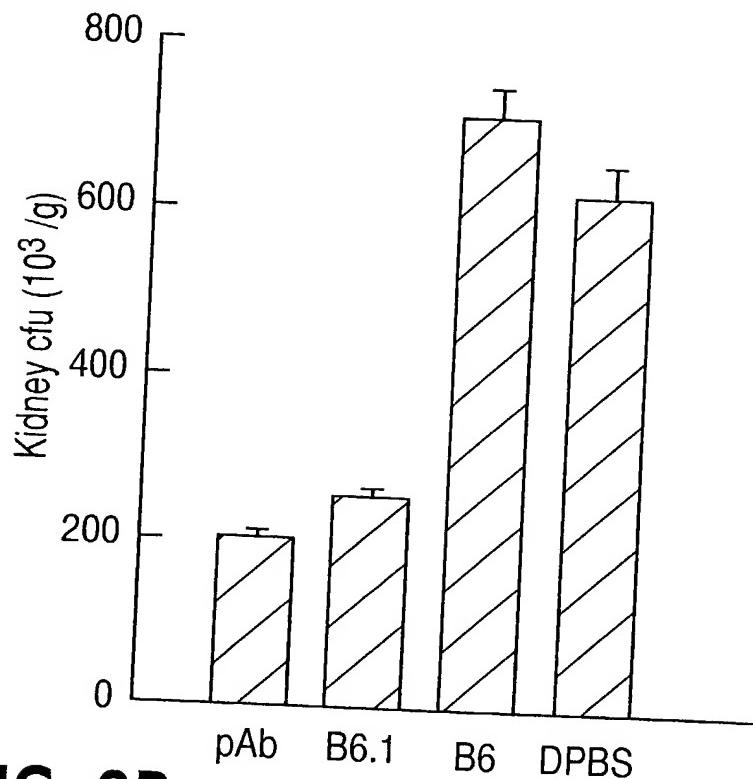


FIG. 9B

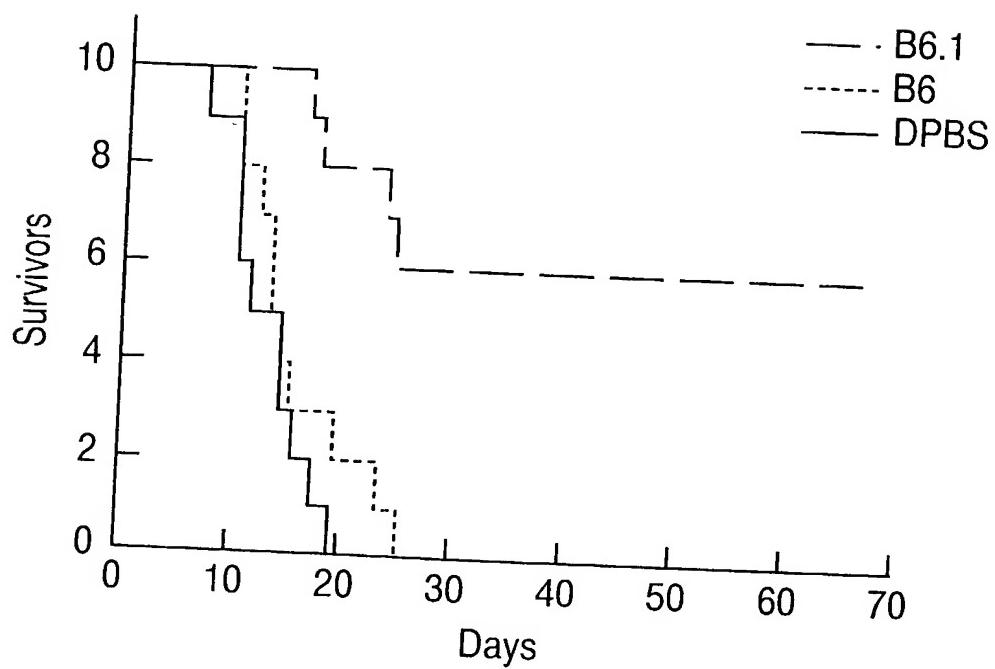


FIG. 10

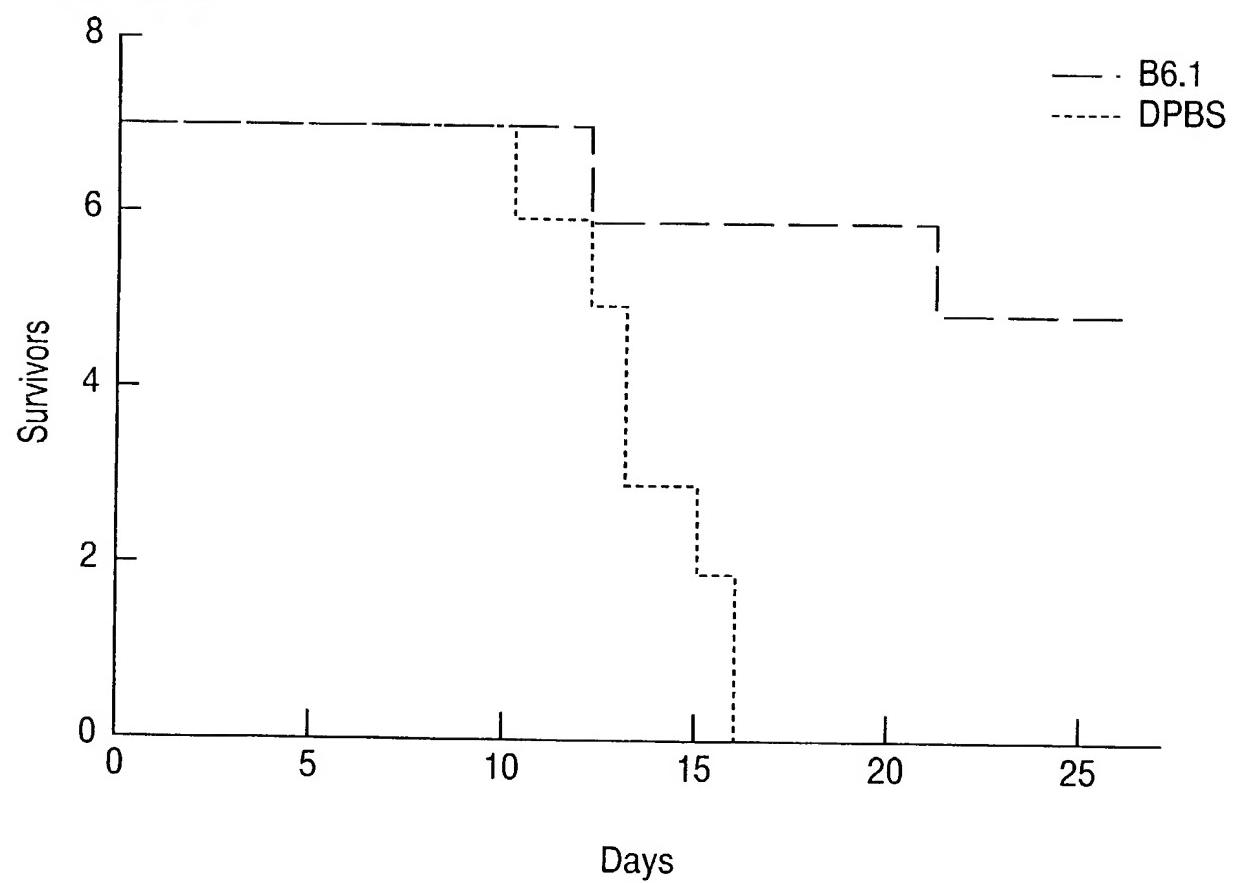


FIG. 11
Disseminated Candidias By Survival Time
measurements. Therapeutic effect of MAb B6.1 on candidate
injected mice (one hour infection)

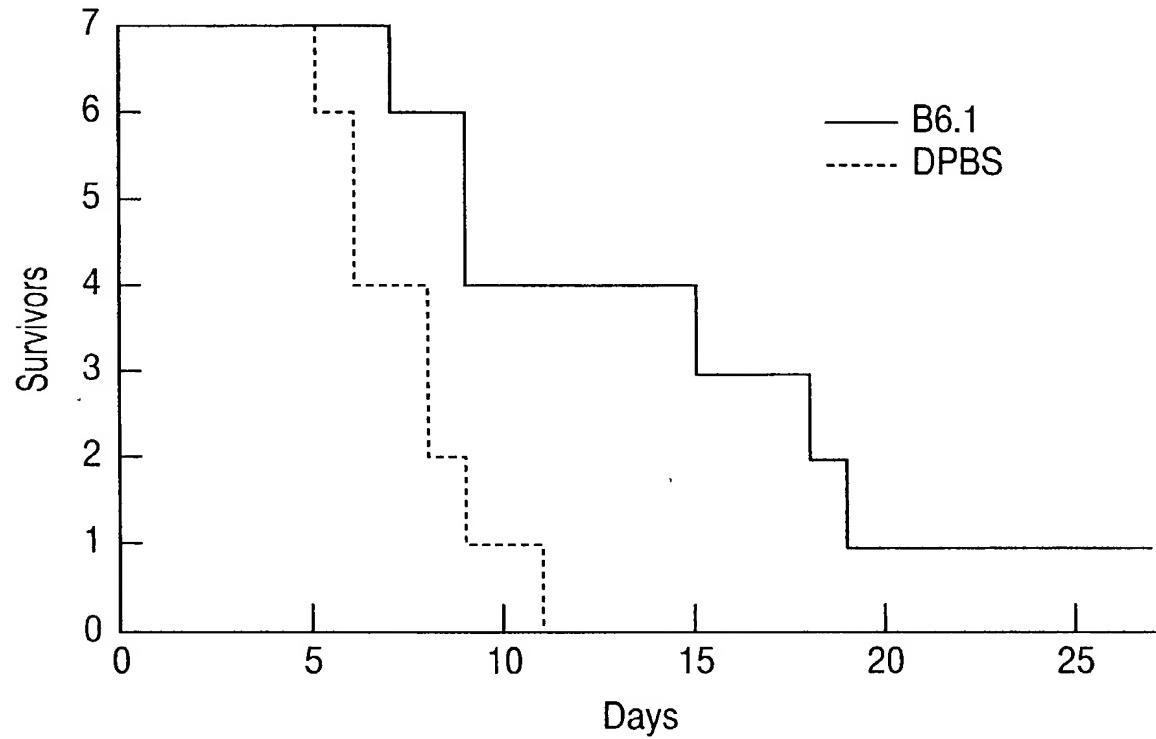


FIG. 12

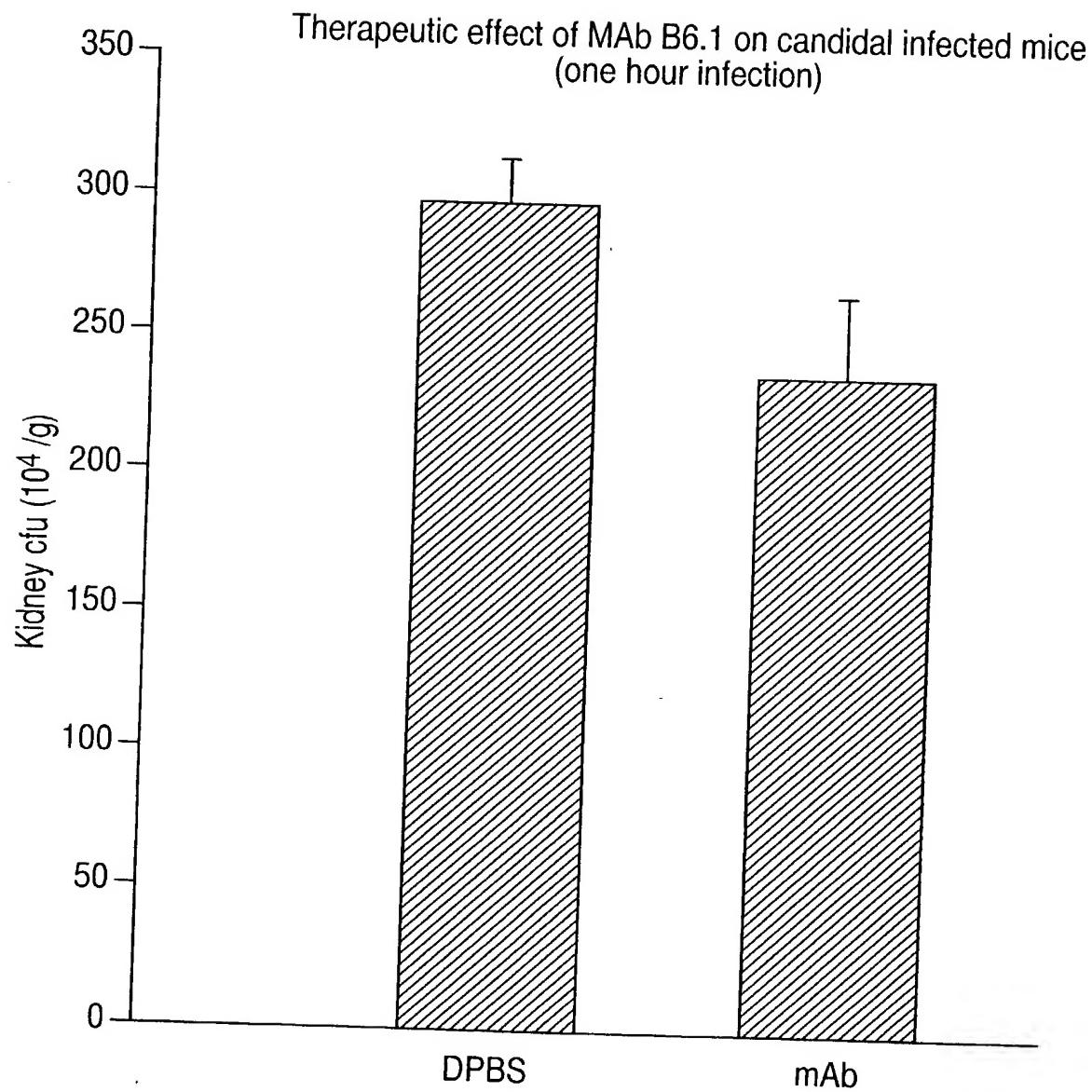


FIG. 13

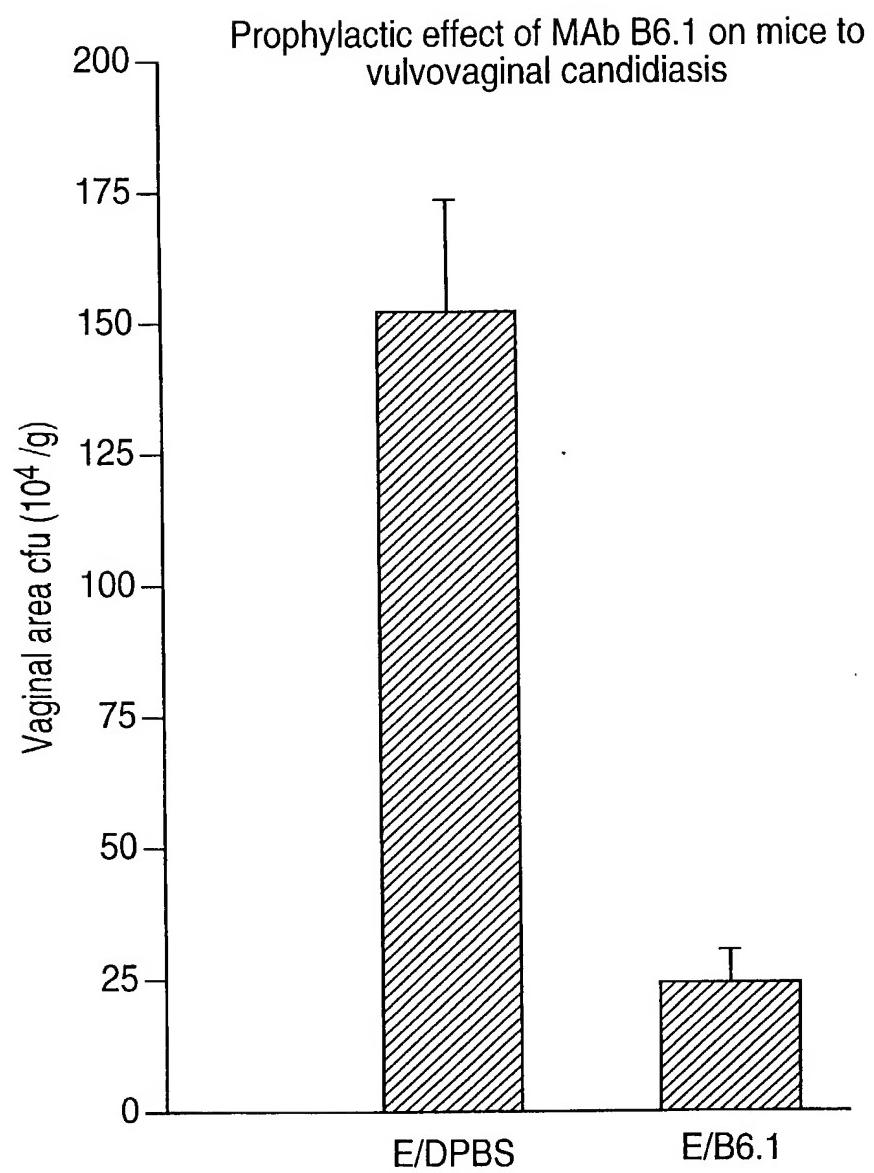


FIG. 14

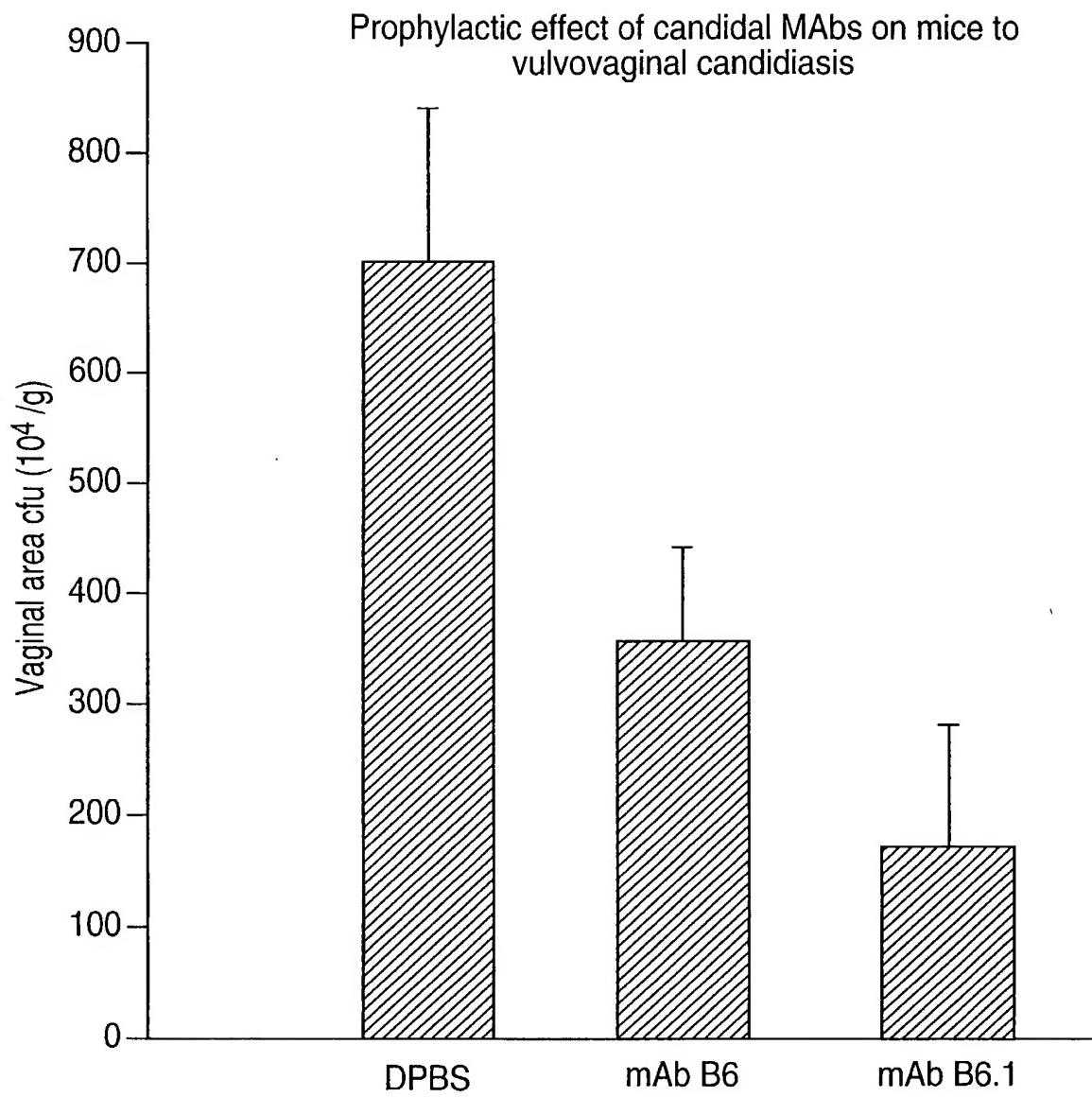
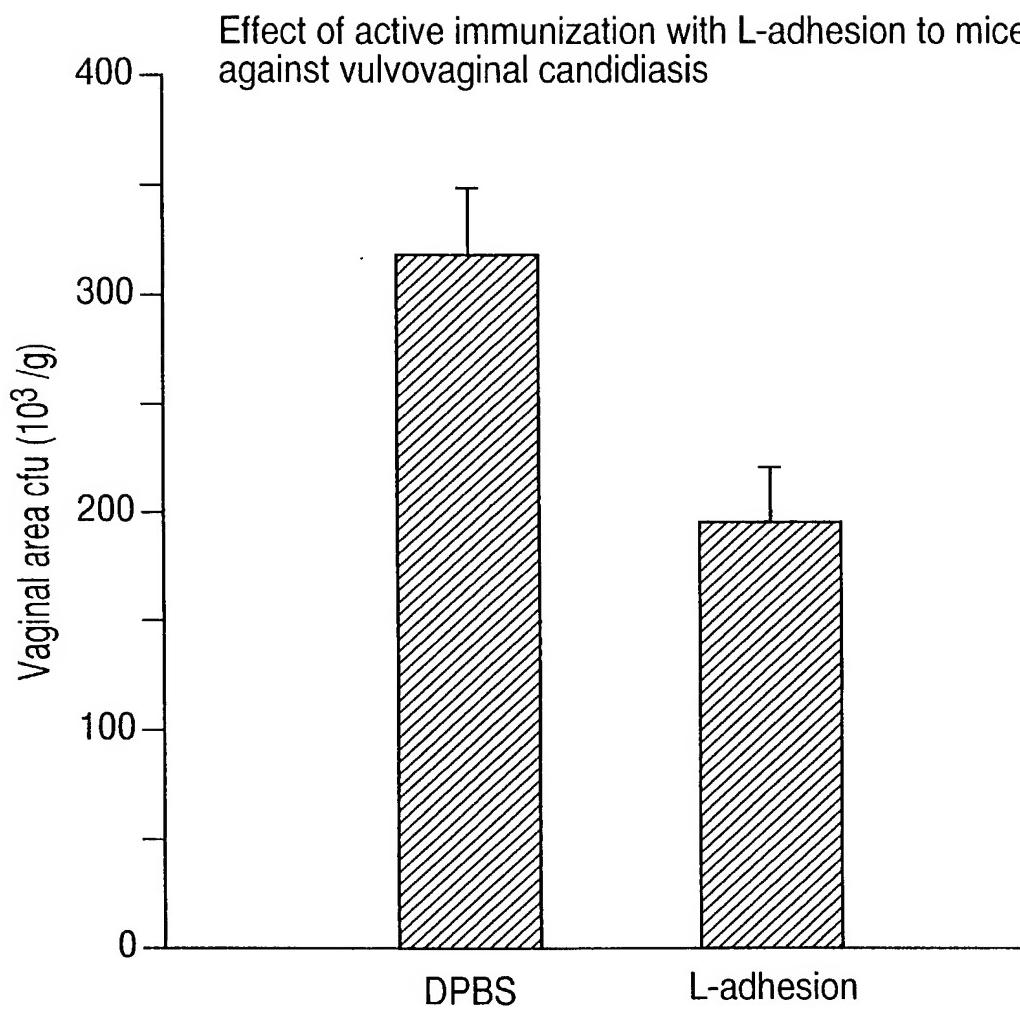


FIG. 15



L = liposome

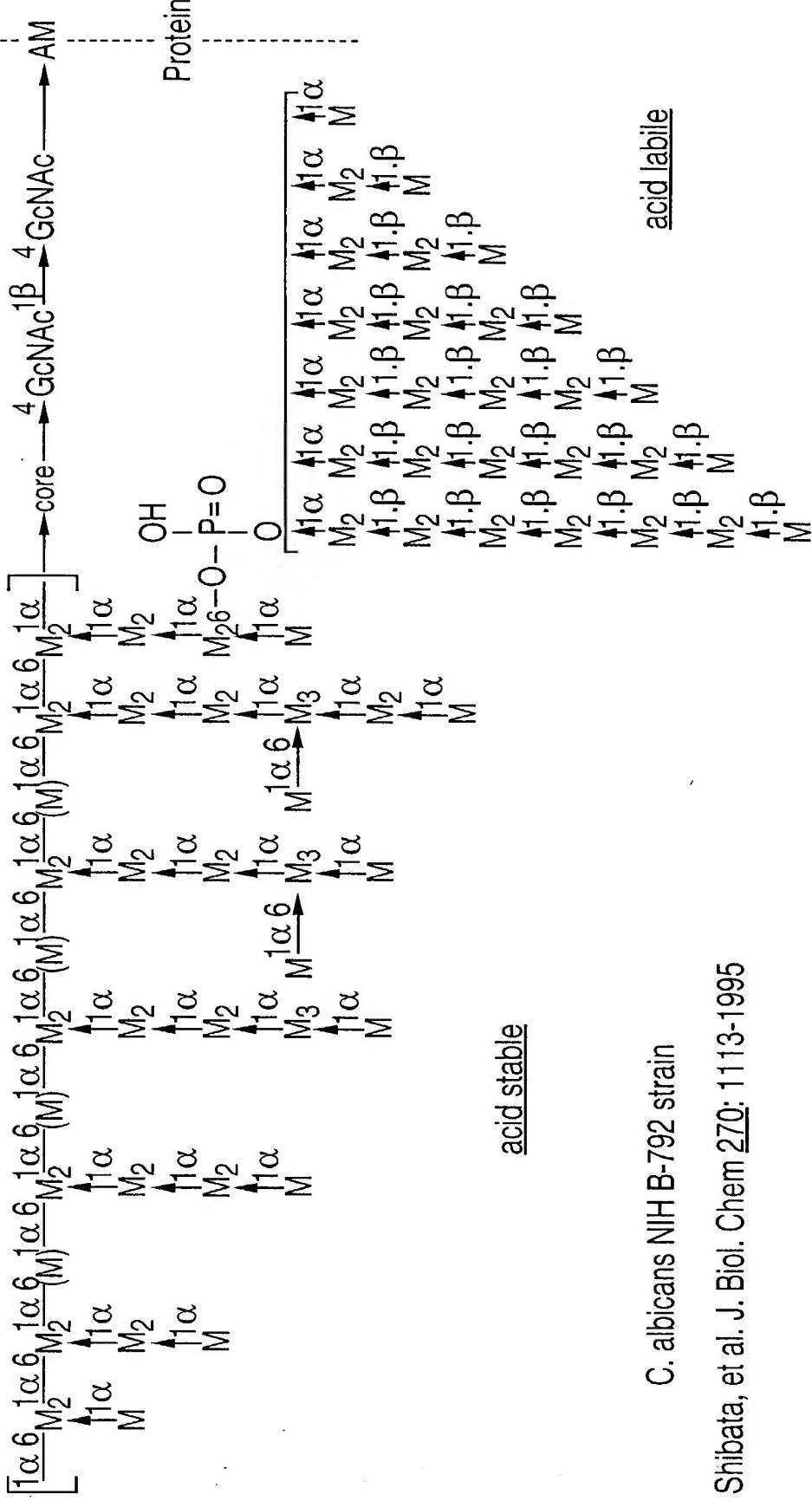
L02ME = liposome - 2ME vaccine prep. Animals received 0.2 ml i.v. (178 μ g 2ME in 0.2ml) weekly for 5 weeks.

Estriadiol was given subcu, 72 h later C. albicans (5x10⁵) gives intravaginally, 48h after infection vaginal cfu determined.

FIG. 16

Proposed structure of the phosphomannan complex
(PMC) - in this case, n-linkage to cell wall protein is shown.

The Phosphomannoprotein Complex



C. albicans NIH B-792 strain
Shibata, et al. J. Biol. Chem. 270: 1113-1995

FIG. 17

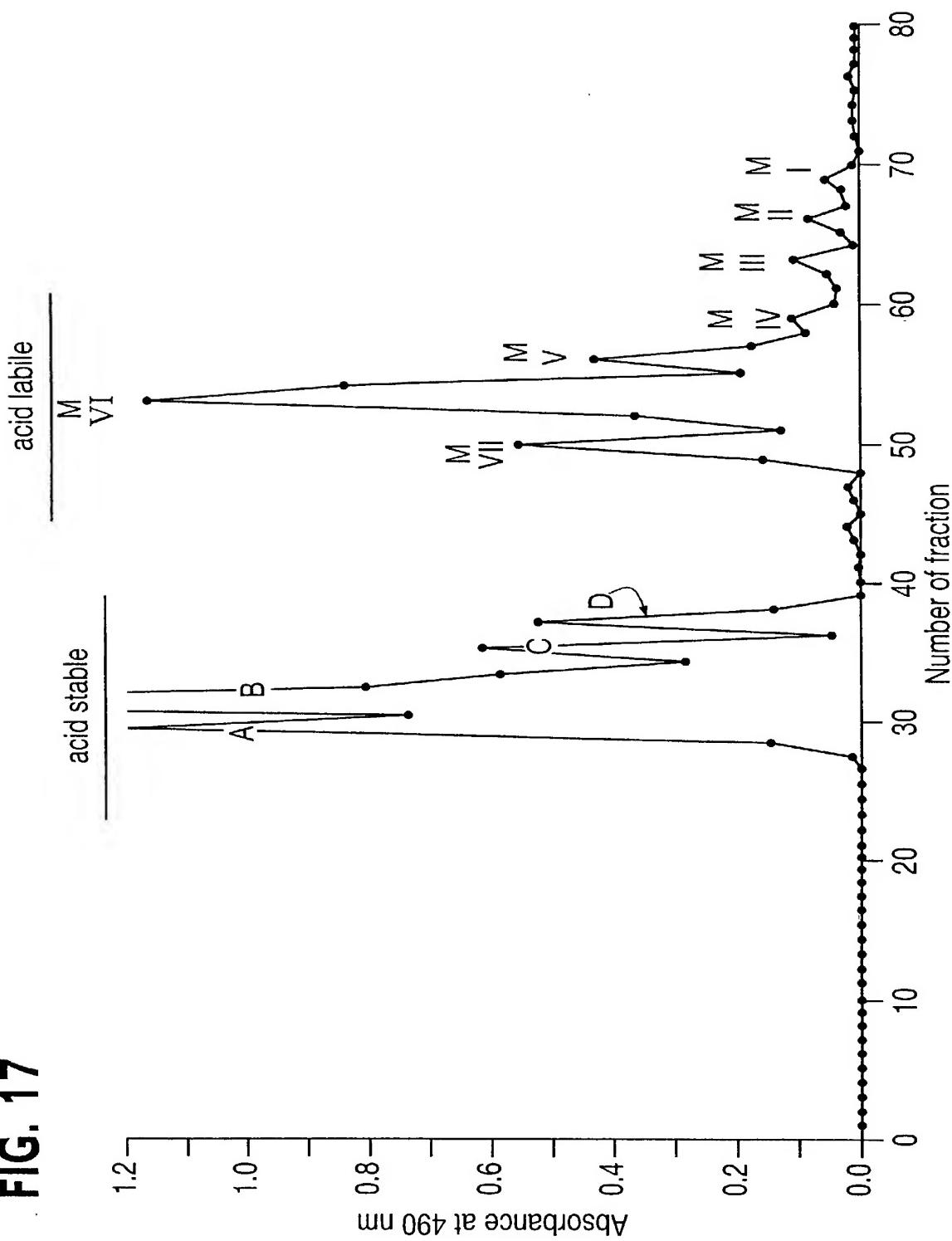
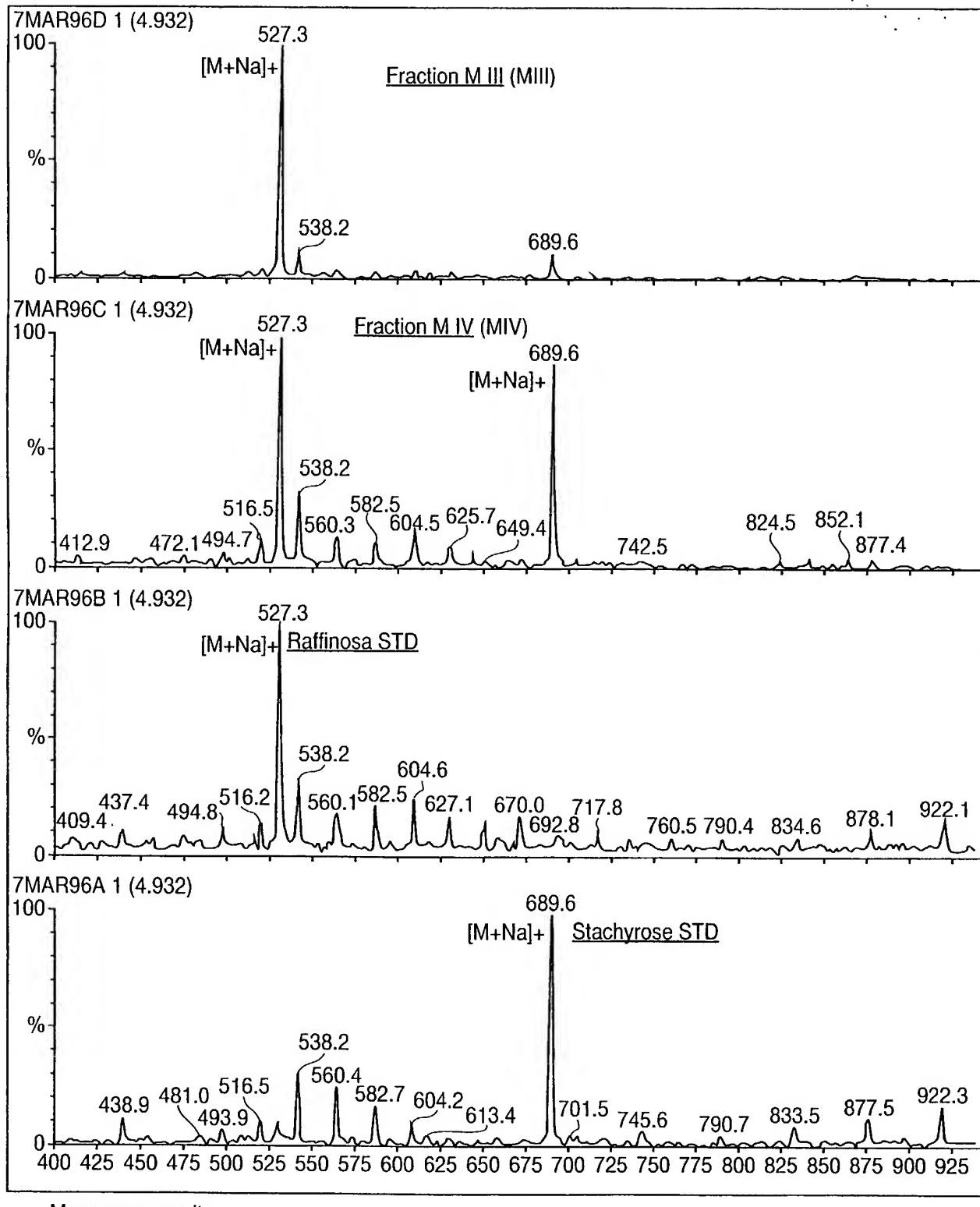
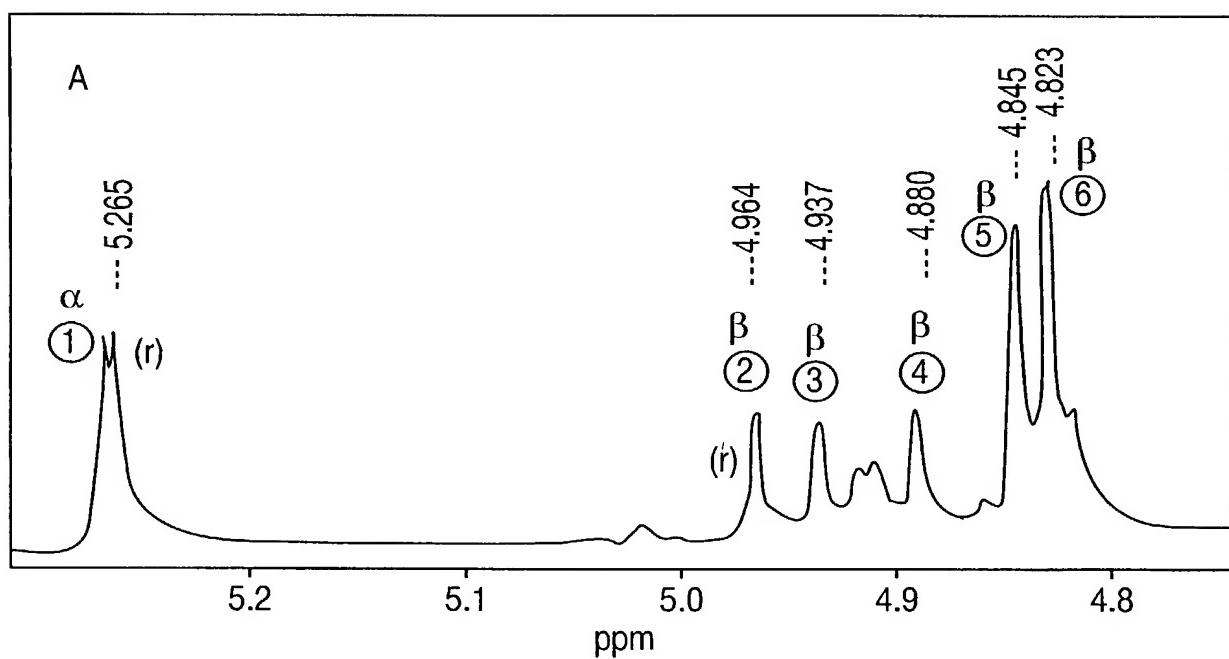


FIG. 18



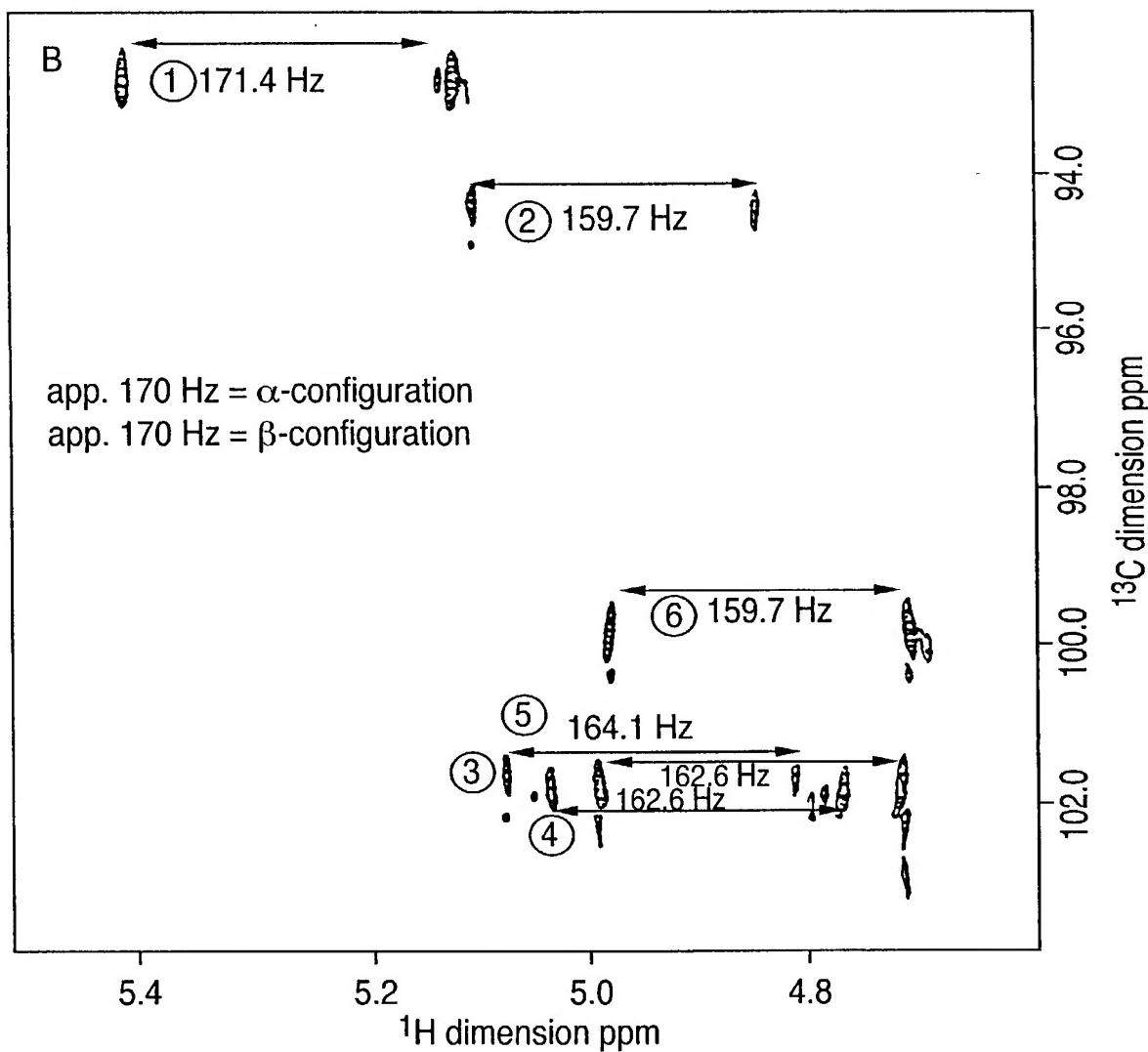
Mass spec results

FIG. 19



dimension H-nmv of B6.1 epitope

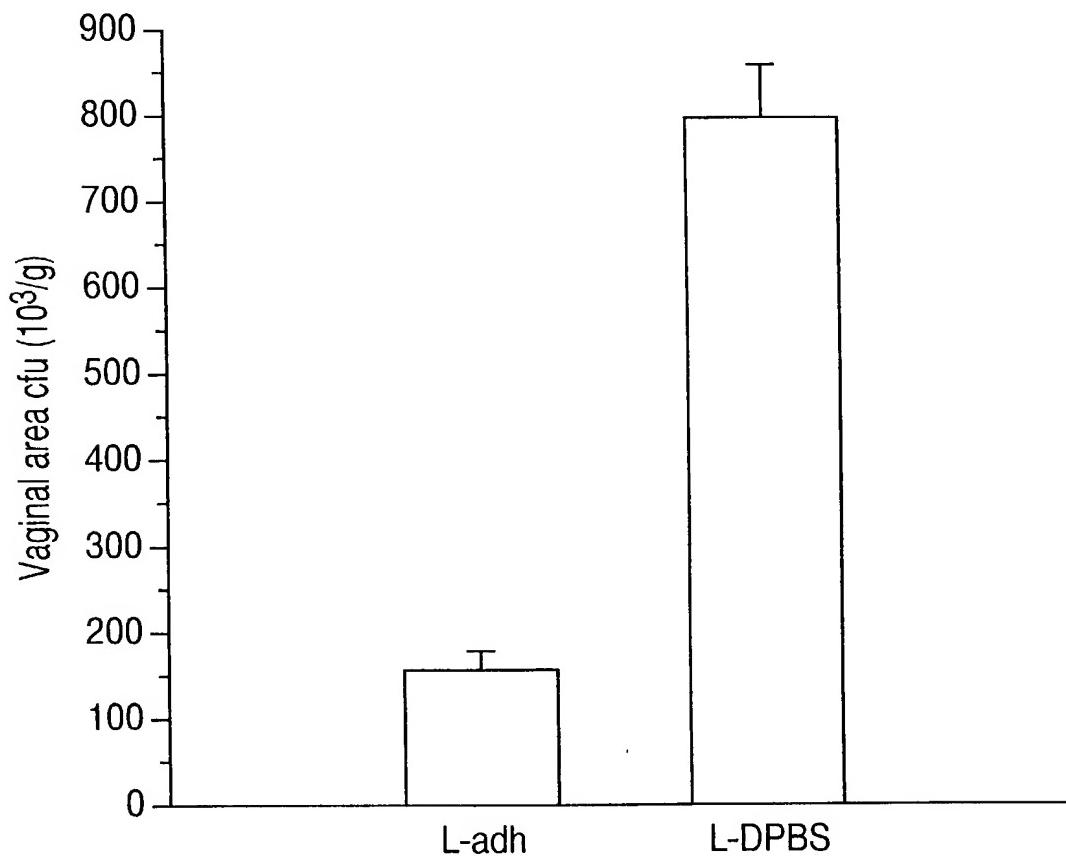
FIG. 20



2 - dNMR of B6.1 epitope

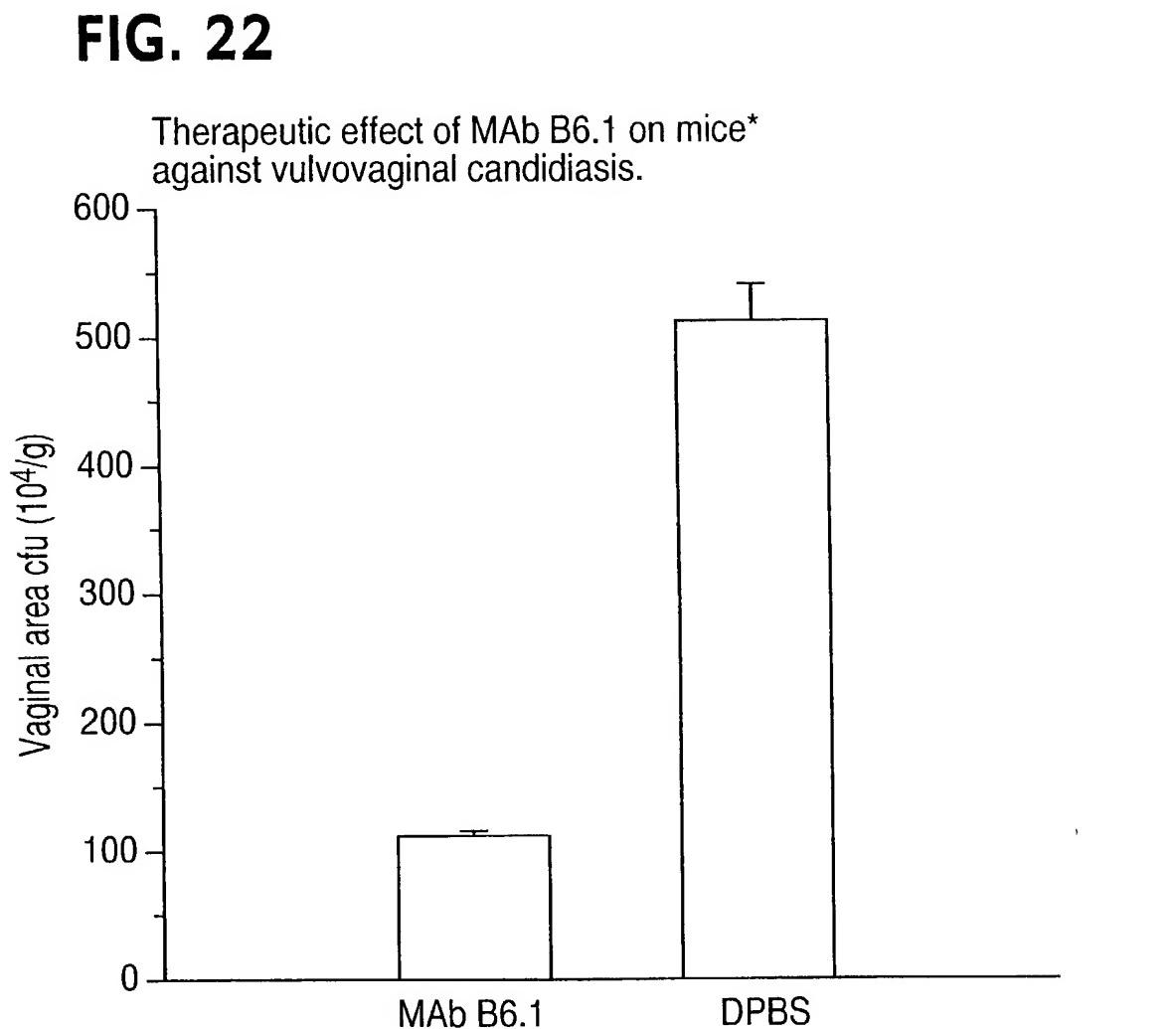
FIG. 21

Therapeutic effect of liposome-2ME (L-adh) as a vaccine source on mice* against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* one hr before vaccination.

**Mice were intravaginally infected with *Candida albicans* (5×10^5 /mouse) 1 hr before i.v. vaccine treatment. Seven days after the infection, vagina areas were collected, and cfu in the areas were measured.

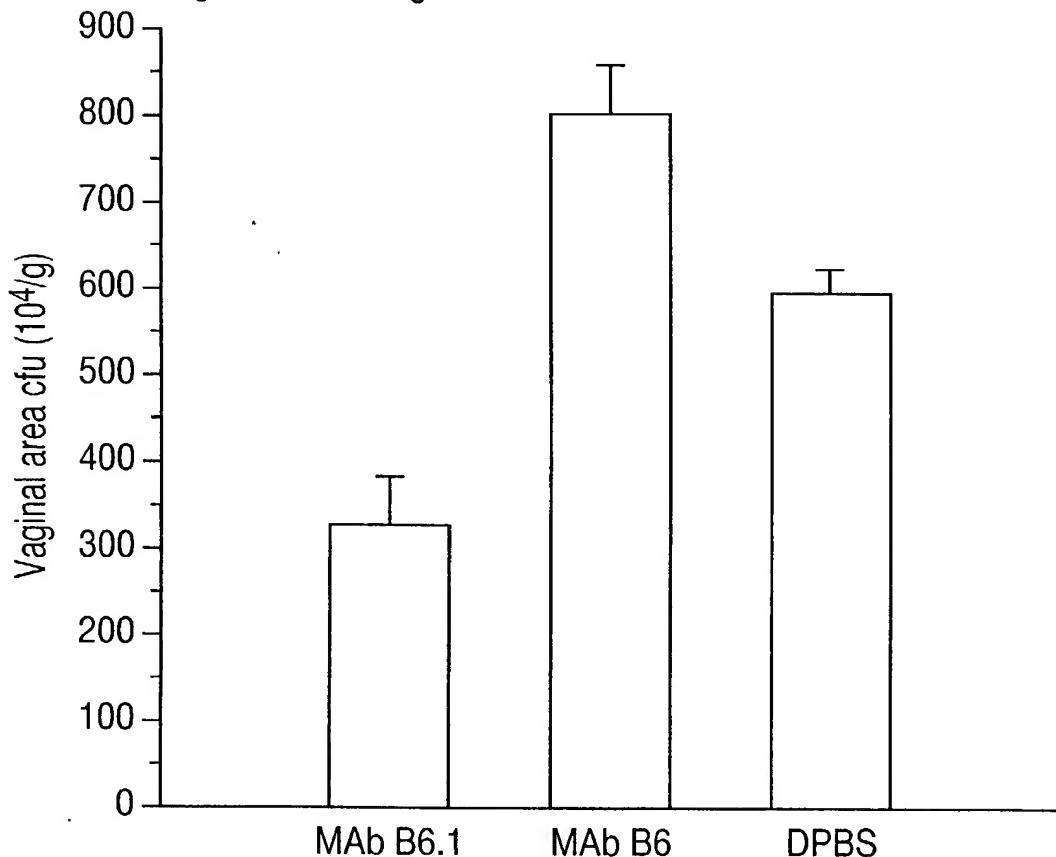


*Animals were infected with *C. albicans* one hr before antibody treatment.

T=0 $5 \times 10^5 / 10\mu\text{l}$ Ivg.
 T=1h MAb B6.1 30 μl undil 1280, 3.5 mg/ml
 T=24h MAb B6.1 10 μl
 T=48h cfc

FIG. 23

Therapeutic effect of MAb B6.1 & B6 on mice*
against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* four hrs before first antibody treatment.

| | | | |
|-------|------------------------------|-----------------|---------------|
| T=0 | Infect 5x10 ⁵ ivg | <u>MAb B6.1</u> | <u>MAb B6</u> |
| T=4h | MAb 30 μ l ivg | 1280, 3.5mg/ml | 640, 3.5mg/ml |
| T=24h | MAb 10 μ l | | |
| T=48h | cfu | | |

FIG. 24

Purification of 2ME-BSA by a sephadryl-S-300 column

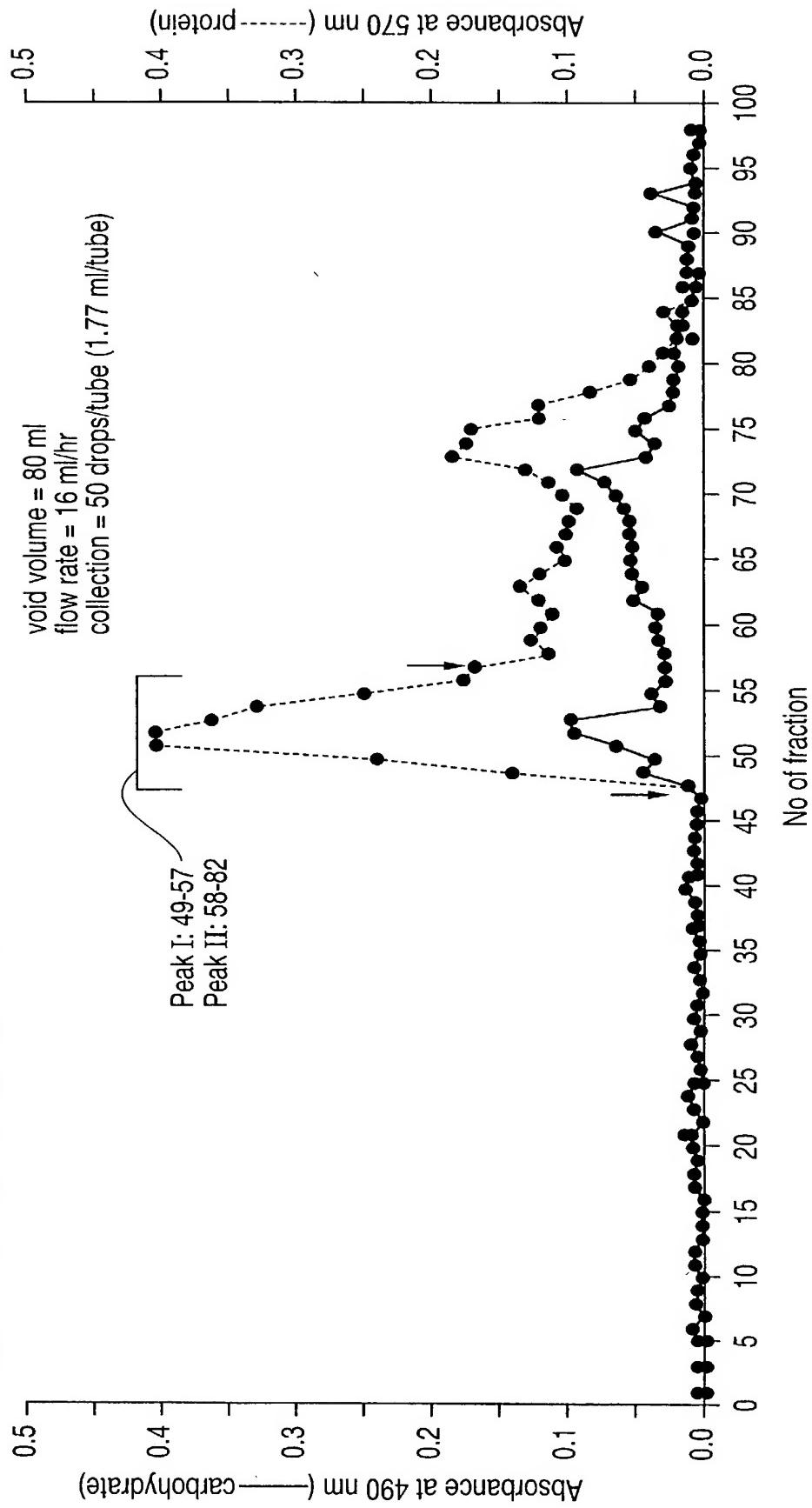


FIG. 25

